

# Going Live with Enterprise Solutions

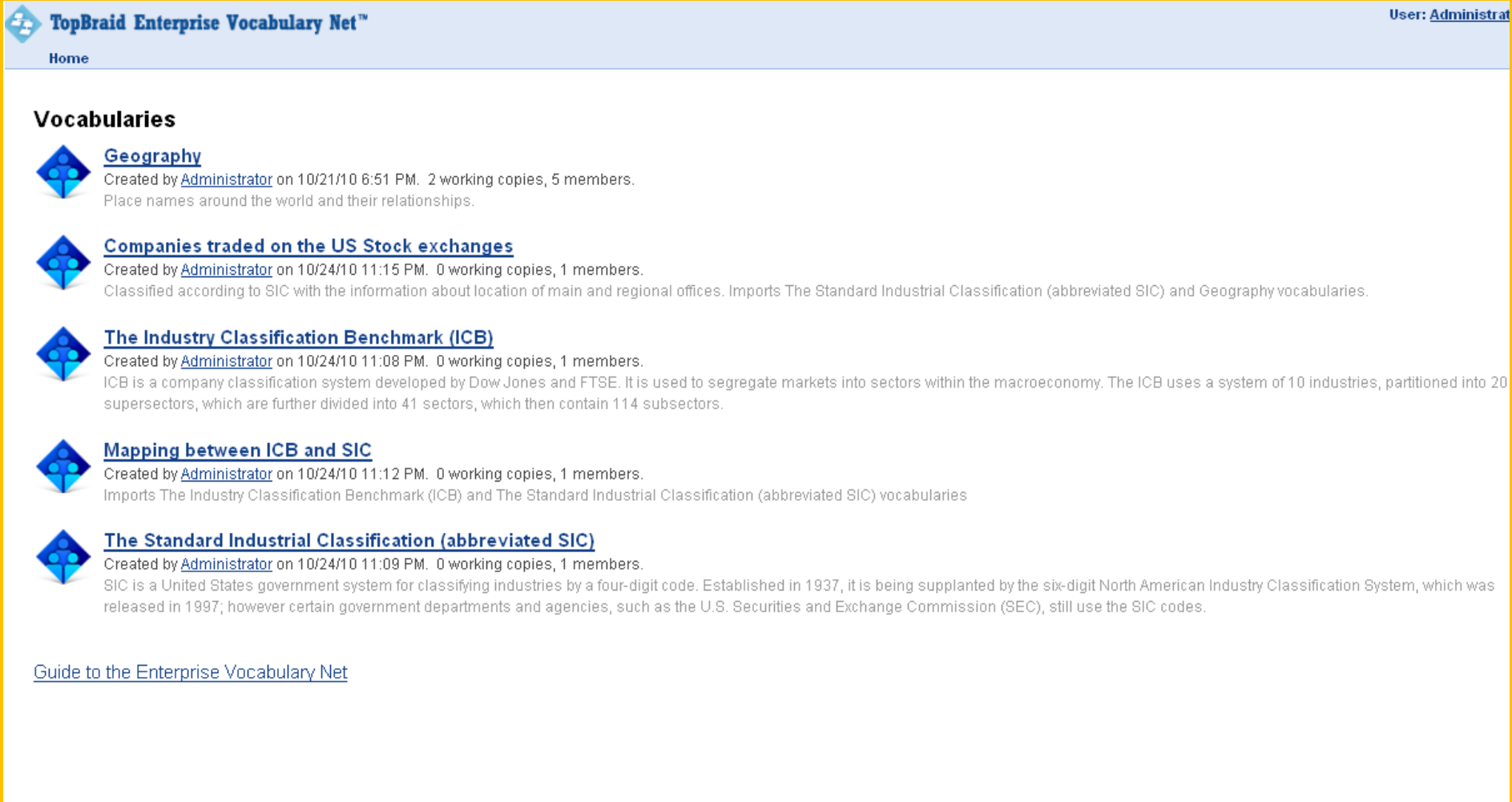


**Enterprise Vocabulary Net™**

## Screenshot Tour

October, 2010

# TopBraid EVN can manage unlimited number of interconnected vocabularies








The screenshot displays the user interface of the TopBraid Enterprise Vocabulary Net. At the top, there is a navigation bar with the logo on the left, the text "TopBraid Enterprise Vocabulary Net™" in the center, and "User: Administrator" on the right. Below the navigation bar is a "Home" link. The main content area is titled "Vocabularies" and lists five entries, each with a blue diamond icon containing a network diagram. Each entry includes the vocabulary name, creation details, and a brief description.

**TopBraid Enterprise Vocabulary Net™** User: [Administrator](#)

[Home](#)

## Vocabularies

-  **[Geography](#)**  
Created by [Administrator](#) on 10/21/10 6:51 PM. 2 working copies, 5 members.  
Place names around the world and their relationships.
-  **[Companies traded on the US Stock exchanges](#)**  
Created by [Administrator](#) on 10/24/10 11:15 PM. 0 working copies, 1 members.  
Classified according to SIC with the information about location of main and regional offices. Imports The Standard Industrial Classification (abbreviated SIC) and Geography vocabularies.
-  **[The Industry Classification Benchmark \(ICB\)](#)**  
Created by [Administrator](#) on 10/24/10 11:08 PM. 0 working copies, 1 members.  
ICB is a company classification system developed by Dow Jones and FTSE. It is used to segregate markets into sectors within the macroeconomy. The ICB uses a system of 10 industries, partitioned into 20 supersectors, which are further divided into 41 sectors, which then contain 114 subsectors.
-  **[Mapping between ICB and SIC](#)**  
Created by [Administrator](#) on 10/24/10 11:12 PM. 0 working copies, 1 members.  
Imports The Industry Classification Benchmark (ICB) and The Standard Industrial Classification (abbreviated SIC) vocabularies
-  **[The Standard Industrial Classification \(abbreviated SIC\)](#)**  
Created by [Administrator](#) on 10/24/10 11:09 PM. 0 working copies, 1 members.  
SIC is a United States government system for classifying industries by a four-digit code. Established in 1937, it is being supplanted by the six-digit North American Industry Classification System, which was released in 1997; however certain government departments and agencies, such as the U.S. Securities and Exchange Commission (SEC), still use the SIC codes.

[Guide to the Enterprise Vocabulary Net](#)

Vocabularies can import each other. Each vocabulary has its own set of permissions.



## Companies traded on the US Stock exchanges

Classified according to SIC with the information about location of main and regional offices. Imports The Standard Industrial Classification (abbreviated SIC) and Geography vocabularies.

[Edit Production Vocabulary](#) [Browse Production Vocabulary](#) [View Change History](#)

### Uncommitted Working Copies

[Create Working Copy](#)

### Vocabulary User Roles

User Name	Role
Administrator	manager
Ralph Hodgson	viewer
Scott Henninger	viewer
Irene Polikoff	viewer
Dean Allemang	editor
Bob DuCharme	viewer

### Reports

[Constraint Violations Report](#) [Graph Statistics](#)

Viewing and editing applications offer a convenient multi-page user interface. Concept Hierarchy page shows a tree of concepts, the detailed view for each selected concept and a list of all properties.

The screenshot displays the 'Geography' application interface. At the top left is a green logo with a white 'G'. The title 'Geography' is in green. Below it are navigation links: 'Concept Hierarchy', 'Concept Types and Lists', 'Search', 'Group Operations', and 'Graph View'. In the top right, there is a search bar and a 'powered by: TopBraid' logo.

The main interface is divided into two panels. The left panel, titled 'Concept Hierarchy', shows a tree of concepts. The 'United States (52)' is selected and highlighted in light blue. The right panel, titled 'United States', shows detailed information for this concept.

**Concept Hierarchy (Left Panel):**

- ▶ Africa (49)
- ▶ Asia (53)
- ▶ Atlantic Ocean (9)
- ▶ Europe (46)
- ▼ Indian Ocean (9)
  - Christmas Island
  - Cocos (Keeling) Islands
  - Comoros
  - Heard And Mcdonald Islands
  - Maldives
  - Mauritius
  - Mayotte
  - Reunion
  - Seychelles
- ▼ North America (3)
  - ▶ Canada (12)
  - Mexico
  - ▶ United States (52)
- ▶ Pacific Ocean (30)

**United States (Right Panel):**

**Labels**

- + preferred label : United States
- + alternative label : America
- USA
- United States of America

+ definition :

**SKOS Relationships**

- + has broader : [North America](#)
- + has exact match :

**Custom Properties**

- + capital :
- + type : [Country](#)

**Notes**

- + note :
- + example :
- + change note :
- + history note :
- + editorial note :
- + scope note :

A lookup field at the top right makes it easy to quickly find concepts using their preferred, alternative or local language labels.

The screenshot displays the TopBraid Geography application interface. On the left, a 'Concept Hierarchy' sidebar lists geographical regions, with 'United States (52)' selected. The main panel shows details for 'United States', including labels, SKOS relationships, and custom properties. A search dropdown menu is open at the top right, showing a list of suggestions for the input 'am', with 'United States (America)' highlighted. The interface is powered by TopBraid.

**Geography**  
powered by: TopBraid

Concept Hierarchy | Concept Types and Lists | Search | Group Operations | Graph View

**Concept Hierarchy** All Properties

- ▶ Africa (49)
- ▶ Asia (53)
- ▶ Atlantic Ocean (9)
- ▶ Europe (46)
- ▼ Indian Ocean (9)
  - Christmas Island
  - Cocos (Keeling) Islands
  - Comoros
  - Heard And McDonald Islands
  - Maldives
  - Mauritius
  - Mayotte
  - Reunion
  - Seychelles
- ▼ North America (3)
  - ▶ Canada (12)
  - Mexico
  - ▼ United States (52)
    - ▶ Alabama (4)

**United States**

**Labels**

- + preferred label : United States
- + alternative label : America  
USA  
United States of America

+ definition :

**SKOS Relationships**

- + has broader : [North America](#)
- + has exact match :

**Custom Properties**

- + capital :
- + type : [Country](#)

▼ **Notes**

- + note :
- + example :
- + change note :
- + history note :
- + editorial note :
- + scope note :

For ease of editing EVN supports not only auto-complete, but also drag and drop between components and even across pages

The screenshot displays the Geography EVN interface. On the left, the 'Concept Hierarchy' panel shows a tree structure with 'Europe (46)' expanded to list various countries, including 'Germany (7)'. A blue box highlights 'Germany (7)', and a blue arrow points from it to the 'has exact match' property in the 'SKOS Relationships' section of the 'Prussia' concept view on the right. The 'Prussia' view includes sections for 'Labels', 'SKOS Relationships', 'Custom Properties', and 'Notes'. The 'Notes' section contains a history note: 'Former German state, north central Germany; abolished 1947.' The interface also features a search bar at the top right with the text 'am', navigation tabs at the top, and a 'powered by: TopBraid' logo in the bottom right corner.

# EVN provides a highly granular history and keeps an audit trail of all changes

The screenshot displays the EVN interface. On the left, a 'Concept Hierarchy' pane shows a tree structure with 'Europe (45)' expanded to list countries including Prussia. The main pane shows the 'Prussia' concept details, including labels, SKOS relationships, and custom properties. A blue box highlights the 'has broader' relationship with 'Germany', showing an audit trail: 'added by Administrator on Oct. 23, 2010 at 9:23 PM' and 'deleted by Administrator on Oct. 23, 2010 at 9:23 PM'. The 'Notes' section includes a history note: 'Former German state, north central Germany; abolished 1947.' The interface also features a search bar at the top right with the text 'am', navigation icons, and a 'powered by: TopBraid' logo.

**Concept Hierarchy**

- Africa (49)
- Asia (53)
- Atlantic Ocean (9)
- Europe (45)
  - Albania
  - Andorra
  - Austria
  - Belarus
  - Belgium
  - Bosnia-Herzegovina
  - Bulgaria
  - Croatia
  - Czech Republic
  - Denmark
  - Estonia
  - Finland
  - France (3)
  - Germany (8)
  - Gibraltar

**Prussia**

**Labels**

- + preferred label : Prussia
- + alternative label :
- + definition :

**SKOS Relationships**

- + has broader : [Germany](#)
  - added by Administrator on Oct. 23, 2010 at 9:23 PM
  - [Europe](#) [Revert](#) [Replace](#)
  - deleted by Administrator on Oct. 23, 2010 at 9:23 PM
- + has exact match :

**Custom Properties**

- + capital :
- + type : [Concept](#)

**Notes**

- + note :
- + example :
- + change note :
- + history note : Former German state, north central Germany; abolished 1947.
- + editorial note :

TopBraid EVN supports rich text editing and wiki-style text linking of concepts. URLs to external web sites can also be included.

The screenshot displays the TopBraid EVN interface for editing a concept. On the left, a 'Concept Hierarchy' panel shows a tree structure with 'South Georgia and the South Sandwich Islands' selected. The main workspace is titled 'South Georgia and the South Sandwich Islands' and contains the following sections:

- Labels:** A list of labels with a preferred label 'South Georgia and the South Sandwich Islands' and an empty alternative label field.
- definition:** A rich text editor containing the text: 'South Georgia and the South Sandwich Islands (SGSSI) is a **British** overseas territory in the southern Atlantic Ocean. It is a remote and inhospitable collection of islands, consisting of South Georgia and a chain of smaller islands, the South Sandwich Islands. South Georgia is 167.4 kilometres (104 mi) long and 1.4 to 37 km (0.87 to 23 miles) wide[1] and is by far the largest island in the territory. The South Sandwich Islands lie about 520 kilometres (320 mi) to the south-east of South Georgia. The total land area of the territory is 3,903 square kilometres (1,507 sq mi). There is no native population on any of the islands, and the only present inhabitants are the British Government Officer, Deputy Postmaster, scientists, and support staff from the British Antarctic Survey.' The word 'British' is highlighted in bold. A dropdown menu is open below the editor, showing 'Brit' selected, with other options: 'United Kingdom (Britain)', 'British Columbia', and 'British Virgin Islands'.
- SKOS Relationships:** A section for defining relationships, currently showing '+ has broader : [United Kingdom \(Britain\)](#)' and '+ has exact match :'.

The interface also features a top navigation bar with 'Concept Hierarchy', 'Concept Types and Lists', 'Search', 'Group Operations', and 'Graph View'. A search box contains 'bri' and a 'powered by: TopBraid' logo is in the top right corner.

EVN helps to ensure information consistency and enforce best practices through rules. SKOS rules are already provided for organizations wanting to use them (for example, alternative label can not be the same as preferred label). Any number of organization and content specific rules can be easily added.

The screenshot displays the 'Geography' application interface. On the left, a 'Concept Hierarchy' panel lists various geographical entities, with 'United Kingdom (2)' selected. The main panel shows the details for the 'United Kingdom' concept. It includes a list of labels: 'preferred label : United Kingdom' and 'alternative label : Britain'. A warning icon is present next to the alternative label, with a tooltip explaining a SKOS constraint: 'Constraint S13a: skos:prefLabel, skos:altLabel and skos:hiddenLabel are pairwise disjoint properties. (SPIN constraint at skos:Concept)'. Below the labels, the definition is provided: 'United Kingdom' and 'United Kingdom of Great Britain and Northern Ireland'. The 'SKOS Relationships' section shows 'has broader : Europe' and 'has exact match :'. The 'Custom Properties' section lists various attributes: 'area (KM) : 243610', 'calling code : 44', 'form of government :', 'language : English', 'capital : London', 'has related : Channel Islands, Isle of Man', and 'type : Country'. The interface is powered by TopBraid and includes navigation and search icons.

**Geography**

Concept Hierarchy | Concept Types and Lists | Search | Group Operations | Graph View

**Concept Hierarchy** | All Properties

- Norway
- Poland
- ▶ Portugal (1)
- Romania
- ▶ Russia (2)
- San Marino
- Slovakia
- Slovenia
- Soviet Union
- Spain
- Sweden
- ▶ Switzerland (1)
- Ukraine
- ▶ **United Kingdom (2)**
- Vatican City
- ▶ Indian Ocean (9)
- ▶ North America (3)
- ▶ Pacific Ocean (30)

**United Kingdom**

- + preferred label : United Kingdom
- + alternative label : Britain  
Constraint S13a: skos:prefLabel, skos:altLabel and skos:hiddenLabel are pairwise disjoint properties. (SPIN constraint at skos:Concept)
- United Kingdom
- United Kingdom of Great Britain and Northern Ireland
- + definition :

**SKOS Relationships**

- + has broader : [Europe](#)
- + has exact match :

**Custom Properties**

- + area (KM) : 243610
- + calling code : 44
- + form of government :
- + language : English
- + capital : [London](#)
- + has related : [Channel Islands](#), [Isle of Man](#)
- + type : [Country](#)

# Convenient edit operations to create multiple concepts at once; merge and clone concepts and trees; find, replace and remove property values for groups of concepts

The screenshot displays a software interface for 'Geography: Revision 2'. The main window features a 'Concept Hierarchy' on the left, listing various geographical entities such as 'New England', 'New Hampshire (3)', 'New Jersey (11)', 'New Mexico (2)', 'New York (state) (13)', and 'North Carolina (9)'. The 'New York (state) (13)' entry is expanded, showing sub-entities like 'Albany (New York)', 'Binghamton', 'Brooklyn', 'Buffalo', 'Elmira', 'New York City (1)', 'Rochester (New York)', 'Rome (New York)', 'Schenectady', 'Syracuse', 'Troy', 'Utica', and 'Yonkers'. A 'Labels' panel is visible on the right, currently showing 'New York (state)'. A dialog box titled 'Add children ...' is open in the foreground, containing a text input field with the text 'Preferred labels, comma separated : Westchester County, Suffolk County, Nassau County, Rockland County, King County, Albany County, New York County'. The dialog box includes 'OK', 'cancel', and 'delete' buttons. Below the dialog box, there are expandable sections for '+ history note :', '+ editorial note :', and '+ scope note :'. The interface also includes a top navigation bar with links for 'Concept Hierarchy', 'Concept Types and Lists', 'Search', 'Group Operations', and 'Graph View'. A bottom toolbar contains icons for adding, merging, cloning, and commenting.

# Concept Types and Lists page shows an overview of all types (classes) and their properties as well as a list of concepts 'belonging' to each type

**Geography**

powered by: TopBraid

Concept Hierarchy | Concept Types and Lists | Search | Group Operations | Graph View

**Concept Types**

- ▼ Concept (218)
- City (423)
- Continent (5)**
- Country (199)
- Island (11)
- State (49)

**Concept List per Type**

Loaded 5 results of 5

Name
Africa
Asia
Europe
North America
South America

**Continent** Properties per Type

**Labels**

- + preferred label : Continent
- + alternative label :
- + hidden label :
- + label :
- + definition :

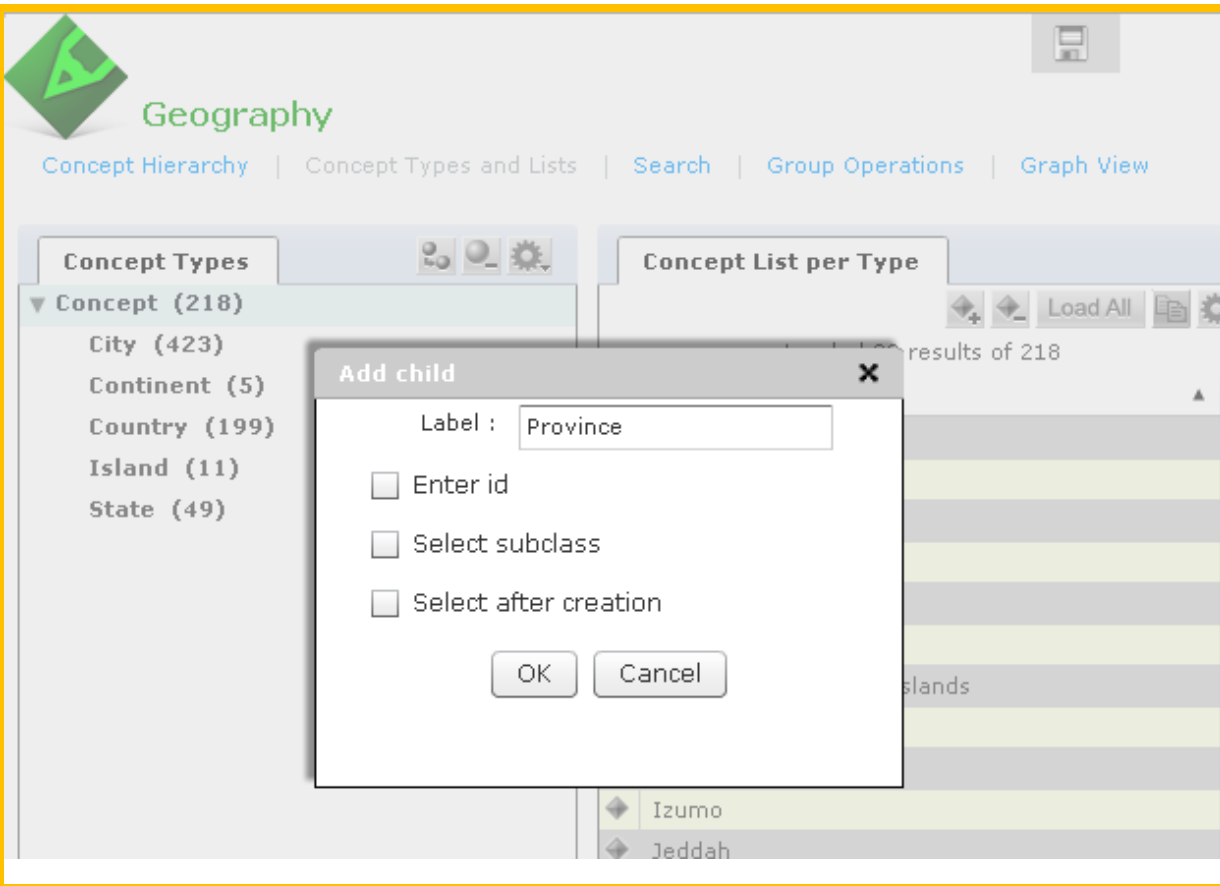
**Domain and Range References**

- + in the domain of :
- + in the range of :

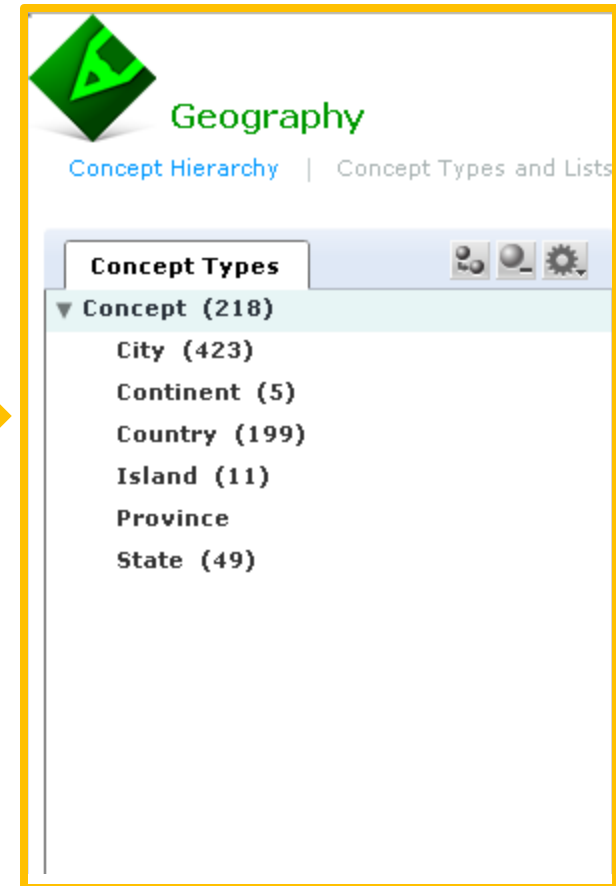
**Notes**

- + example :
- + scope note :
- + comment :

New types can be added. Information about types can be changed.



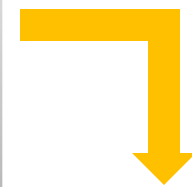
The screenshot shows the 'Geography' application interface. The 'Concept Types' panel on the left lists: City (423), Continent (5), Country (199), Island (11), and State (49). The 'Concept List per Type' panel on the right shows a list of results for 218 items, including 'Izumo' and 'Jeddah'. An 'Add child' dialog box is open in the center, with the 'Label' field set to 'Province'. The dialog also contains three checkboxes: 'Enter id', 'Select subclass', and 'Select after creation', all of which are currently unchecked. 'OK' and 'Cancel' buttons are at the bottom of the dialog.



The screenshot shows the 'Geography' application interface after the 'Province' type has been added. The 'Concept Types' panel on the left now lists: City (423), Continent (5), Country (199), Island (11), Province, and State (49). The 'Concept List per Type' panel is empty.

# Unlimited number of new properties can be created for each type

The screenshot shows the 'Geography' software interface. On the left, a 'Concept Types' sidebar lists categories: Concept (218), City (423), Continent (5), Country (199), Island (11), Province, and State (49). The 'Country' category is selected. A 'Concept List per Type' window is open, displaying a list of countries including Cayman Islands, Ecuador, Germany, Italy, Ivory Coast, Japan, Lebanon, Mozambique, and Nepal. A context menu is open over the 'Country' list, with the following options: 'Add comment ...', 'Add new attribute ...', 'Add new relationship ...', 'Display affected working copies', and 'Display all comments'. The 'Add new attribute ...' option is highlighted by the mouse cursor.



The 'Add new attribute ...' dialog box is shown, containing the following fields and controls:

- Preferred label :
- Definition :
- Select range of values for the new attribute :

At the bottom of the dialog, there is a 'Submit' button.

Powerful search forms on the Search Page make it easy to find concepts of interest based on their property values. Users can select which values to show as columns in the results report

The screenshot displays the 'Geography' search interface. At the top left is the 'Geography' logo. The top navigation bar includes links for 'Concept Hierarchy', 'Concept Types and Lists', 'Search', 'Group Operations', and 'Graph View'. A search bar at the top right contains the text 'bri' and a search icon. Below the navigation bar, the main search area features a 'Search for:' field with 'Country' selected, a search icon, and options for 'View All Changes' and 'View Recently Browsed'. A 'Search Country' panel on the left lists various filters with checkboxes and dropdown menus. The 'capital' filter is checked. A 'Submit Query' button is located at the bottom of this panel. On the right, the 'Search Results' panel shows 'Loaded 24 results of 43'. It contains a table with two columns: 'Country' and 'Country capital'. The table lists countries and their corresponding capitals, with alternating row colors.

Search for: Country

View All Changes

View Recently Browsed

Search Country

Clear Fields

preferred label :

alternative label :

definition :

has broader : Europe

has exact match :

form of government :

capital :

is in semantic relation with :

is top concept in scheme :

Submit Query

Search Results

Loaded 24 results of 43

Country	Country capital
Soviet Union	
Italy	Rome
Russia	Moscow
United Kingdom	London
Austria	Vienna
Norway	Oslo
Germany	Berlin
Czech Republic	Prague
Portugal	Lisboa
Denmark	Copenhagen
Belgium	Brussels (municipality)
Spain	Madrid
Netherlands	
Sweden	
Greece	Athens
France	
Finland	Helsinki
Luxembourg	Luxembourg (city)
Ireland	

Users can search by providing search conditions directly applicable to concepts they are looking for as well as search conditions for connected concepts. For example, one can find all concepts that have ‘has related’ relationship to concepts with ‘has broader’ relationship equal to “Europe”.

The screenshot displays the Geography TopBraid search interface. The search criteria are as follows:

- Search for:
- View All Changes (eye icon)
- View Recently Browsed
- Search Concept:
  - preferred label:
  - alternative label:
  - definition:
  - has broader:
  - has exact match:
  - capital:
  - has related:
  - preferred label:
  - alternative label:
  - definition:
  - has broader:
  - has exact match:
  - capital:
- Submit Query

The Search Results section shows 40 results:

Loaded 40 results of 40

Concept	Concept capital	Concept has rela	Concept has related capit.
Greenland	Nuuk	Denmark	Copenhagen
Isle of Man	Douglas, Isle of Mar	United Kingdom	London
Kazakhstan	Astana	Soviet Union	Moscow
Kyrgyzstan	Bishkek	Soviet Union	Moscow
Latvia	Riga	Soviet Union	Moscow
Lithuania	Vilnius	Soviet Union	Moscow
Moldova	Chişinău	Soviet Union	Moscow
Russia	Moscow	Soviet Union	Moscow
Soviet Union	Moscow	Latvia	Riga
Soviet Union	Moscow	Estonia	
Soviet Union	Moscow	Ukraine	Kiev
Soviet Union	Moscow	Russia	Moscow
Soviet Union	Moscow	Lithuania	Vilnius
Soviet Union	Moscow	Belarus	Minsk
Soviet Union	Moscow	Moldova	Chişinău
Tajikistan	Dushanbe	Soviet Union	Moscow
Turkmenistan	Ashkhabad	Soviet Union	Moscow
Ukraine	Kiev	Soviet Union	Moscow
Uzbekistan	Tashkent	Soviet Union	Moscow

# Search results (and any list displays) can be copied directly into Excel to create custom reports and exports

Search Results Loaded 40 Load All

Copy the selected entries to the clipboard for pasting into another application (e.g. to a spreadsheet).

Concept	Concept capital	Concept	Concept
Armenia		Soviet Union	Moscow
Azerbaijan	Baku	Soviet Union	Moscow
Belarus	Minsk	Soviet Union	Moscow
Channel Islands		United Kingdom	London
Denmark	Copenhagen	Greenland	Nuuk
Estonia		Soviet Union	Moscow
European Union		Denmark	Copenhagen
European Union		Netherlands	
European Union		Austria	Vienna
European Union		Belgium	Brussels (municipality)
European Union		France	
European Union		Spain	Madrid
European Union		Luxembourg	Luxembourg (city)
European Union		Ireland	
European Union		Portugal	Lisboa
European Union		Germany	Berlin
European Union		Sweden	
European Union		Greece	Athens
European Union		Finland	Helsinki



A2 fx Armenia

	A	B	C	D
1	Concept	Concept capital	Concept has related	Concept has related capi
2	Armenia		Soviet Union	Moscow
3	Azerbaijan	Baku	Soviet Union	Moscow
4	Belarus	Minsk	Soviet Union	Moscow
5	Channel Islands		United Kingdom	London
6	Denmark	Copenhagen	Greenland	Nuuk
7	Estonia		Soviet Union	Moscow
8	European Union		Denmark	Copenhagen
9	European Union		Netherlands	
10	European Union		Austria	Vienna
11	European Union		Belgium	Brussels (municipality)
12	European Union		France	
13	European Union		Spain	Madrid
14	European Union		Luxembourg	Luxembourg (city)
15	European Union		Ireland	
16	European Union		Portugal	Lisboa
17	European Union		Germany	Berlin
18	European Union		Sweden	
19	European Union		Greece	Athens
20	European Union		Finland	Helsinki
21	European Union		Italy	Rome
22	Georgia (Republic)		Soviet Union	Moscow
23	Greenland	Nuuk	Denmark	Copenhagen
24	Isle of Man	Douglas, Isle of	United Kingdom	London
25	Kazakhstan	Astana	Soviet Union	Moscow
26	Kyrgyzstan	Bishkek	Soviet Union	Moscow
27	Latvia	Riga	Soviet Union	Moscow

All the recently browsed items are remembered and can be quickly revisited

The screenshot displays the Geography application interface. At the top left is the Geography logo. The main navigation bar includes links for Concept Hierarchy, Concept Types and Lists, Search, Group Operations, and Graph. A search bar is present with the text 'Search for: Concept'. A 'View All Changes' button is visible. A 'View Recently Browsed' button is highlighted with a mouse cursor. Below the search bar is a 'Search Concept' panel with a 'Clear Fields' button and a 'Submit Query' button. The 'Search Concept' panel contains several search criteria, each with a checkbox and a dropdown menu:

- capital : [dropdown]
- preferred label : [text input]
- alternative label : [text input]
- definition : [text input]
- has broader : [dropdown]
- has exact match : [dropdown]
- capital : [dropdown]
- has related : [dropdown]
- is in semantic relation with : [dropdown]
- is top concept in scheme : [dropdown]
- has related : [dropdown]
- is in semantic relation with : [dropdown]
- is top concept in scheme : [dropdown]

On the right side, a 'Recently Browsed' window is open, displaying a list of concepts:

- Berlin
- Continent
- Denmark
- Prussia
- South Georgia and the South Sandwich Islands
- United Kingdom
- United States
- Solomon Islar
- Gibraltar
- Jeddah

The 'Gibraltar' entry is highlighted in yellow. The window also features a scrollbar and a close button (X).



# On the Graph View page users can navigate through content graphically

The screenshot displays the 'Geography' application interface. At the top left is a green logo with a white 'G' and the word 'Geography'. To the right is a search bar and the text 'powered by: TopBraid'. Below the logo are navigation links: 'Concept Hierarchy', 'Concept Types and Lists', 'Search', 'Group Operations', and 'Graph View'. A toolbar contains buttons for 'Loaded: <none>', 'Load', 'Save', 'Save As', 'Clear', 'Add Node', 'Submit Query', 'Freeze', 'Force', 'Configure', and 'Hide Edge Labels'. The main area features a graph with nodes in rounded rectangles and edges in light gray lines. The nodes are: 'Douglas, Isle of Man', 'Great Britain', 'Isle of Man', 'Northern Ireland', 'London', 'United Kingdom', 'Channel Islands', and 'Europe'. The relationships are: 'Douglas, Isle of Man' is the 'capital' of 'Isle of Man'; 'Isle of Man' is 'has broader' than 'Great Britain'; 'London' is the 'capital' of 'Great Britain'; 'United Kingdom' is 'has related' to 'Great Britain', 'Isle of Man', 'London', and 'Channel Islands'; 'United Kingdom' is 'has broader' than 'Northern Ireland' and 'Europe'.

```
graph TD; Douglas["Douglas, Isle of Man"] -- capital --> Isle["Isle of Man"]; Isle -- "has broader" --> GB["Great Britain"]; London["London"] -- capital --> GB; UK["United Kingdom"] -- "has related" --> GB; UK -- "has related" --> Isle; UK -- "has related" --> London; UK -- "has related" --> CI["Channel Islands"]; UK -- "has broader" --> NI["Northern Ireland"]; UK -- "has broader" --> Europe["Europe"];
```

# Graph visualization can also be used to edit and to formulate queries

The screenshot displays the 'Geography' software interface. At the top left is a green logo with a white 'G'. The title 'Geography' is in green. Below it are navigation links: 'Concept Hierarchy', 'Concept Types and Lists', 'Search', 'Group Operations', and 'Graph View'. A toolbar contains buttons for 'Load', 'Save', 'Save As', 'Clear', 'Add Node', 'Submit Query', 'Freeze', 'Force', 'Configure', and 'Hide Edge Labels'. A search bar is on the top right, with 'powered by: TopBraid' and a logo. The main area shows a concept graph with 'United Kingdom' at the center. It is connected to 'Great Britain' (has broader), 'London' (capital), 'Channel Islands' (has related), 'Isle of Man' (has related), 'Douglas, Isle of Man' (capital), 'Northern Ireland' (has broader), and 'Europe' (has broader). The 'United Kingdom' node is highlighted with a grey background. On the right, an 'Outgoing->' panel lists various properties with checkboxes: 'All', 'area (KM)' (13843), 'calling code' (+44), 'capital' (Belfast), 'has broader' (United Kingdom checked), 'language' (All, English, Irish, Ulster Scots), 'preferred label' (Northern Ireland), and 'type' (Country). At the bottom, there are buttons for 'Generalize', 'Remove', and 'Add Link To'. On the left, an '->Incoming' panel is empty.

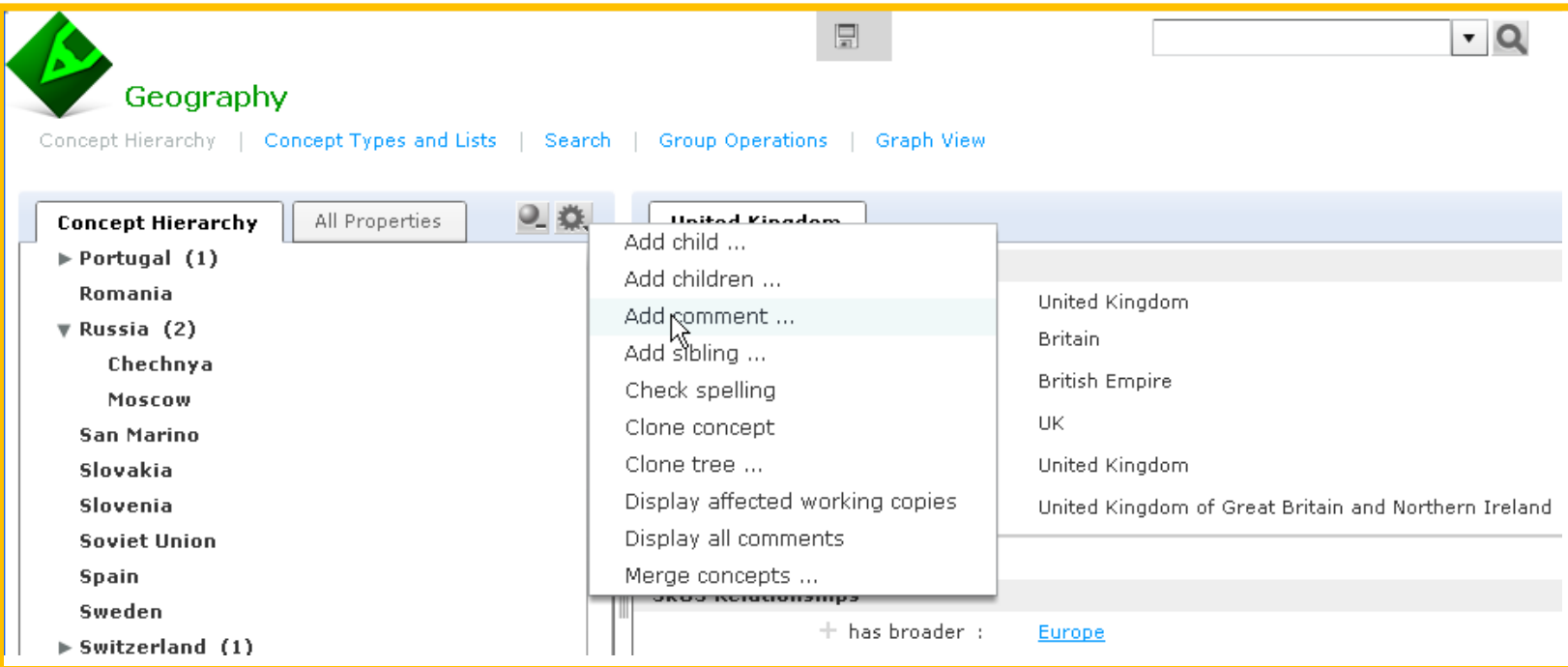
Users can request their co-workers to review any vocabulary item by providing a direct link that will conveniently open the application with the right item already displayed

The screenshot shows the 'Geography' application interface. On the left, the 'Concept Hierarchy' pane is expanded to show 'United Kingdom (2)', which includes 'Great Britain (3)' and 'Northern Ireland'. The main pane displays details for 'United Kingdom', including labels (preferred: United Kingdom, alternative: Britain, British Empire, UK, United Kingdom, United Kingdom of Great Britain and Northern Ireland), SKOS Relationships (has broader: Europe), and Custom Properties (area: 243610, calling code: 44, form of government, language: English, capital: London, has related: Channel Islands, Isle of Man). A blue box highlights the 'Request review' button in the bottom toolbar.

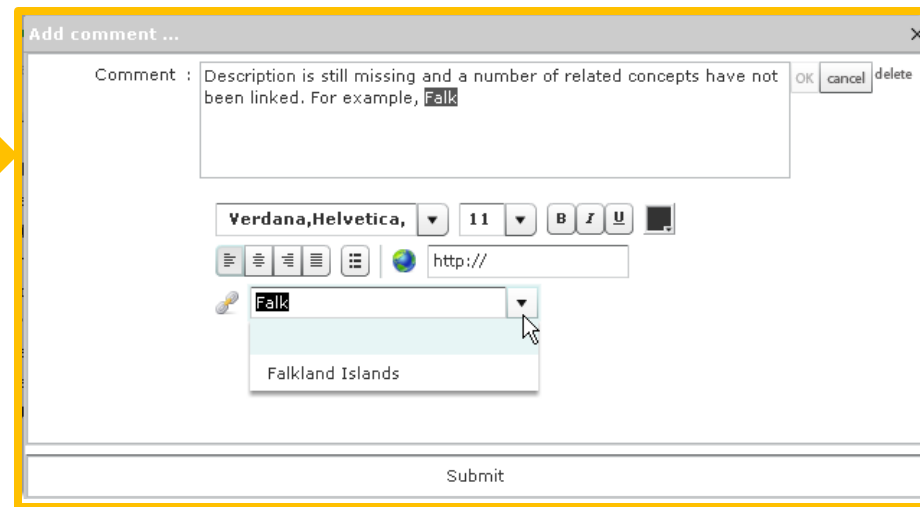


Send	To...	
	Cc...	
	Bcc...	
Subject:		Please review
<a href="http://localhost:8083/tbl/app/evn.topbraidlive.org/user-applications/EVN%20Editor.n3/-/sample.evn.topbraidlive.org/geography/geography.tdb#0_TBE:Tree_Click=g:United_Kingdom">http://localhost:8083/tbl/app/evn.topbraidlive.org/user-applications/EVN%20Editor.n3/-/sample.evn.topbraidlive.org/geography/geography.tdb#0_TBE:Tree_Click=g:United_Kingdom</a>		

Any item managed by TopBraid EVN can have associated comments. The time-stamp of the entry and the user name are automatically captured for all comments



The screenshot shows the TopBraid EVN interface. On the left, a 'Concept Hierarchy' pane lists countries: Portugal (1), Romania, Russia (2) (with sub-items Chechnya, Moscow, San Marino, Slovakia, Slovenia, Soviet Union, Spain, Sweden), and Switzerland (1). The main area displays the 'United Kingdom' concept. A context menu is open over the 'United Kingdom' entry, with 'Add comment ...' highlighted. Other menu items include 'Add child ...', 'Add children ...', 'Add sibling ...', 'Check spelling', 'Clone concept', 'Clone tree ...', 'Display affected working copies', 'Display all comments', and 'Merge concepts ...'. The main area also shows a list of related concepts: United Kingdom, Britain, British Empire, UK, United Kingdom, and United Kingdom of Great Britain and Northern Ireland. Below this list, a relationship is shown: '+ has broader : Europe'.



The 'Add comment ...' dialog box is shown. The 'Comment' field contains the text: 'Description is still missing and a number of related concepts have not been linked. For example, Falk'. The dialog includes a rich text editor with a font dropdown set to 'Verdana,Helvetica', a font size dropdown set to '11', and buttons for bold (B), italic (I), and underline (U). There is also a URL field with 'http://'. A dropdown menu is open, showing 'Falk' selected and 'Falkland Islands' as an option. The dialog has 'OK', 'cancel', and 'delete' buttons at the top right, and a 'Submit' button at the bottom.

Vocabularies can have multiple simultaneous versions or working copies. Working copies enable a review and approval process before publishing changes. They also make it possible for different teams to work in parallel.



## Geography

Place names around the world and their relationships.

[Edit Production Vocabulary](#) [Browse Production Vocabulary](#) [View Change History](#)

### Uncommitted Working Copies



#### [Asia Changes](#)

Created by [Administrator](#) on 10/24/10 10:30 PM.

Changes to the concepts in Asia. Intermediate update, scheduled to be published in November.



#### [Revision 2](#)

Created by [Administrator](#) on 10/23/10 10:26 PM.

Will be published in January

[Create Working Copy](#)

### Vocabulary User Roles

User Name	Role
Dean Allemang	viewer
Administrator	manager
Irene Polikoff	manager
Scott Henninger	editor
Bob DuCharme	editor
Ralph Hodgson	(not assigned)

Working copies have their own set of permissions. Changes made to a working copy are 'sandboxed' and will not be applied to a vocabulary until they are published by a user who has the right to change the vocabulary.



## Geography: Asia Changes Working Copy

Changes to the concepts in Asia. Intermediate update, scheduled to be published in November.

[Edit Working Copy](#) [Browse Working Copy](#) [View Change History](#)

### Status

This working copy is **uncommitted**, which means that changes have not been written (published) to the production vocabulary, and further edits are possible. Only users with editor privileges on the vocabulary or managers of this working copy can change this status.

[Publish All Changes](#) [Freeze for Review](#) [Reject All Changes](#)

### Working Copy User Roles

User Name	Role ▾
Administrator	(not assigned)
Irene Polikoff	manager
Scott Henninger	(not assigned)
Bob DuCharme	(not assigned)
Dean Allemang	editor

### Reports

[Constraint Violations Report](#) [Comparison Report](#) [Graph Statistics](#)

When work is done in parallel, EVN users can see if the changes made in other working copies affect their work

Geography: Asia Changes

Concept Hierarchy | Concept Types and Lists | Search | Group Operations | Graph View

Concept Hierarchy

- Africa (49)
- Asia (53)
  - Afghanistan
  - Armenia
  - Azerbaijan
  - Bahrain
  - Bangladesh
  - Bhutan
  - Brunei
  - Cambodia
  - China (Peoples Republic) (4)
  - Cyprus
  - Gaza Strip
  - Georgia (Republic)
  - Hong Kong
  - India (1)
  - Indonesia (7)
  - Iran
  - Iraq (1)

Armenia

- + capital :
- + has related : [Soviet Union](#)
- + type : [Country](#)

Notes

- + note : Former member of the Soviet Union; independent 1991- .
- + example :
- + change note :
- + history note :
- + editorial note :
- + scope note :

## Working Copies affected by changing Armenia




Revision 2

Created by [Administrator](#) on 10/23/10 10:26 PM.

### Added Statements

Armenia	capital	ep:Yerevan
Armenia	form of government	democracy
Armenia	alternative label	Republic of Armenia

To support the review and approval process, EVN offers a variety of reports, such as a Comparison Report

 **TopBraid Enterprise Vocabulary Net™**

[Home](#) > [Geography](#) > [Revision 2](#) > Comparison Report

## Comparison Report

Vocabulary Geography, working copy Revision 2

**Albany (New York)** ([http://topquadrant.com/ns/examples/geography#Albany\\_New\\_York](http://topquadrant.com/ns/examples/geography#Albany_New_York))

Property	As Published	In Working Copy
has broader	New York (state)	Albany County

**Brooklyn** (<http://topquadrant.com/ns/examples/geography#Brooklyn>)

Property	As Published	In Working Copy
has broader	New York (state)	King County

**New York City** ([http://topquadrant.com/ns/examples/geography#New\\_York\\_City](http://topquadrant.com/ns/examples/geography#New_York_City))

Property	As Published	In Working Copy
has broader	New York (state)	New York County

**Yonkers** (<http://topquadrant.com/ns/examples/geography#Yonkers>)

Property	As Published	In Working Copy
has broader	New York (state)	Westchester County

**County** (<http://examplepublisher.com/ns/countries#County>)

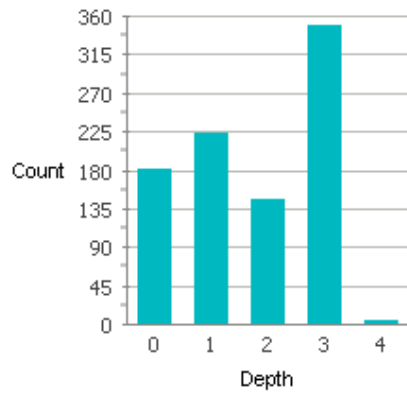
Property	As Published	In Working Copy
label		County
subClassOf		Concept
type		Class [owl:Class]

# EVN offers a growing number of reports including graph statistics

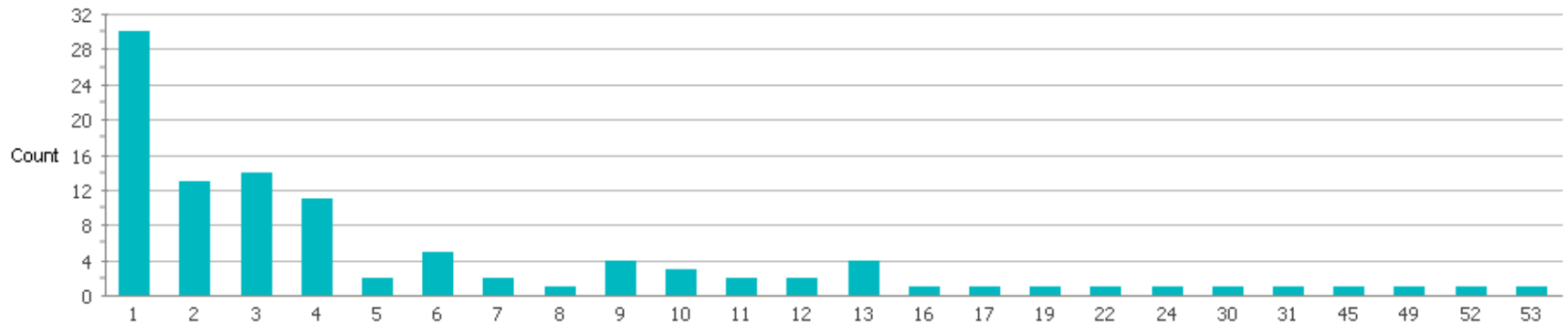
## SKOS Graph Statistics

Vocabulary Geography, working copy Revision 2

Number of nodes per level



Number of children



# All content can be exported in RDF/XML and Spreadsheet formats

## Export

[RDF/XML](#) [Hierarchy Spreadsheet](#) [Concept Overview Spreadsheet](#)



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  <skos:related rdf:resource="http://topquadrant.com/ns/examples/geography#Middle_East"/>
  <skos:prefLabel>Syria</skos:prefLabel>
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  <rdfs:subClassOf rdf:resource="http://spinrdf.org/spin#Function"/>
  <rdfs:label rdf:datatype="http://www.w3.org/2001/XMLSchema#string">Magic property</rdfs:label>
  <rdf:type rdf:resource="http://www.w3.org/2000/01/rdf-schema#Class"/>
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  <ep:language>Dutch</ep:language>
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